

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
21 April 2005 (21.04.2005)

PCT

(10) International Publication Number
WO 2005/036507 A3

(51) International Patent Classification⁷:

G09F 3/04

(21) International Application Number:

PCT/US2004/033374

(22) International Filing Date: 8 October 2004 (08.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/509,496 8 October 2003 (08.10.2003) US

(71) Applicant (for all designated States except US): M.H. SEGAN LIMITED PARTNERSHIP [US/US]; 126 West Avenue, Great Barrington, MA 01230 (US).

(72) Inventors: SEGAN, Marc; 1192 Park Avenue, New York, NY 10128 (US). STRAUSS, Gary; 222 Union Avenue, Mamaroneck, NY 10543 (US).

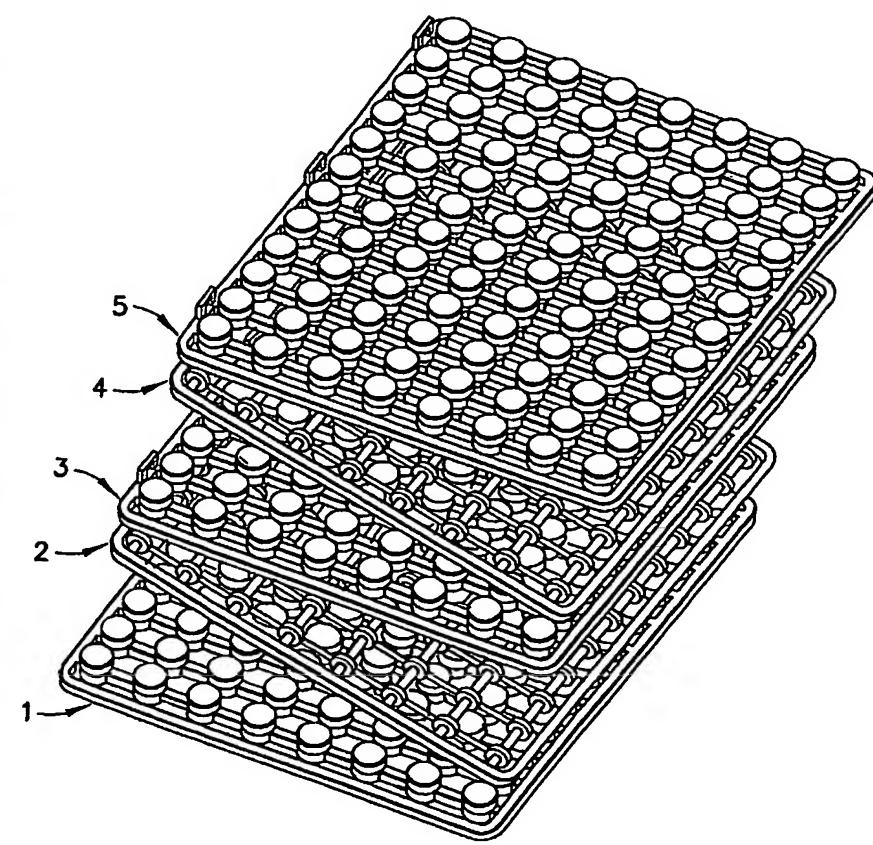
(74) Agent: WEISZ, Edward, M.; Cohen, Pontani, Liberman & Pavane, 551 Fifth Avenue, New York, NY 10176 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,

[Continued on next page]

(54) Title: FOLDABLE MODULAR LIGHT ARRAY



(57) Abstract: A display system comprising a plurality of display panels (1-5) connected together serially, each panel including a planar support member (10) having a plurality of parallel first bars (12) connected to a plurality of parallel second bars (14) at intersections (20) to form an open mesh having a front surface (16), a rear surface (17), and a plurality of openings (18) extending between the surfaces (16, 17). A plurality of LED's (30) are mounted in apertures (21) at respective intersections (20), each LED (30) being covered with a translucent cap (33) on the front surface (16) and having a pair of terminals (32) connected to a grid of mutually isolated wires (54, 58) located in channels (13, 15) in the rear surface (17). The panels (1-5) are connected by hinge members (40, 41, 44, 45) which permit the panels to be folded into a stack.

WO 2005/036507 A3



SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) Date of publication of the international search report:

20 October 2005